REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR.

SEE SHEET 1

SH.2/D1 2MHZ
SH.2/C8 RESET OUT
SH.2/C8 CS-8291A
SH.2/B1 RD
SH.2/B1 WR
SH.2/B1 A0
SH.2/B1 A1
SH.2/B1 A2
SH.2/B8 INT1
SH.2/B8 INT2
SH.2/B1 DB0 - DB7
SH.2/C8 CS-8251A
SH.2/B8 INT3
SH.2/B8 INT4
SH.2/C8 BAUD CLK

C41 1

U26 8291A: VCC 40, DACK 7, GND 20, CLK 3, RESET 4, CS 8, RD 9, WR 10, RS0 21, RS1 22, RS2 23, DREQ 6, INT 11, D0 12, D1 13, D2 14, D3 15, D4 16, D5 17, D6 18, D7 19, DIO1 28, DIO2 29, DIO3 30, DIO4 31, DIO5 32, DIO6 33, DIO7 34, DIO8 35, DAV 36, T/R1 1, ATN 26, EOI 39, T/R2 2, NDAC 38, NRFD 37, SRQ 27, REN 25, IFC 24

U28 74LS04 (1, 2) (3, 4)
U29 74LS32 (1, 2, 3)

U32 MC3448A, U33 MC3448A, U34 MC3448A, U35 MC3448A: DATA 2, S/R-A 1, DATB 6, S/R-B 7, DATC 10, S/R-C 9, DATD 14, S/R-D 15, VCC 16, BUSA 3, BUSB 5, BUSC 11, BUSD 13, EN-AB 4, EN-CD 12, GND 8, +5V

J4 IEEE 488 BUS CONNECTOR (24 PIN)
DIO1 1, DIO2 2, DIO3 3, DIO4 4, DIO5 13, DIO6 14, DIO7 15, DIO8 16, DAV 6, EOI 5, ATN 11, NDAC 8, NRFD 7, SRQ 10, REN 17, IFC 9, 18, 23, 20, 21, 24, 12

U27 8251A: VCC 26, D0 27, D1 28, D2 1, D3 2, D4 5, D5 6, D6 7, D7 8, CLK 20, RESET 21, RD 13, WR 10, C/D 12, CS 11, TXRDY 15, RXRDY 14, TXC 9, RXC 25, GND 4, RXD 3, TXD 19, CTS 17, RTS 23, DSR 22, DTR 24

U30 1489 (3, 1) (2, 6) (8, 10) (9, 12)
U31 1488 (4, 5, 6) (9, 10, 8) (12, 13, 11)
C39 220PF
C38 220PF
C40 220PF
SW3 RTS (1, 2, 8, 7) ON
SW3 DTR (3, 4, 6, 5) ON

J5 RS232 INTERFACE CONNECTOR (25 PIN)
1, 2, 3, 4, 5, 20, 6, 8, 7

PCAD
FILE:UIB3.SCH

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	B.PATRICK	5/90
CHK.		
ENG.	T.BERTKA	5/90
MFG.		

MODEL	NEXT ASSY.
	0442-5040

FINISH:

Spectra-Physics
MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED:
.X ± DWG: ±
.XX ± ANGLES: ±
.XXX ± SURF.FIN: ±
GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY

SCHEMATIC
UNIVERSAL INTERFACE
P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0442-5020	3 OF 5	A